* CHEVRON JOB HAZARD ANALYSIS FORM

NOTE: This form is brought to the work site by the first representative of each craft. (Page 1 of 2)

DATE: JOB N	TE: JOB NO.: LO			LOCATION:	LOCATION:			
l l			PHONE NO.:					
OPERATOR-Print Name and CAI: PHONE NO:								
MECHANICS- Print Name and CAI:	1 1000 CONTROL OF THE PROPERTY				<u>IPANY</u>			
THE THAT HAVE THE		<u></u>	<u> </u>	<u>0011</u>				
DESCRIPTION OF WORK:								
BESCHI HOW OF WORK.								
							1	
JOINT JOB SITE VISIT (JJSV) -				ted?>	Yes	No	N/A	
Isolation List: Review list, operator points out all isolation and depressurization points (first break, low point, dead leg)								
Radiation Sources Identified and Isolated	:	Lo	cation:					
Electrical Isolation Verification: Electrical	an lock on loc	kbox. Th	ne Operator is responsible	e for ensuring				
all personnel are clear of hazards which mig					ΙП			
Operator test start/stop switch.								
Isolation Lock Key: If no electrician, first	craft represen	tative wit	nesses key deposited in	lockbox.				
Locks and Tags Installed: Confirm that al	l locks and tag	gs are ins	talled per RI-9900.					
Additional Work Permits reviewed and signed—All permit numbers must be listed below:								
Ignition Source #	General Work	#	Sw	itch Card #				
High Heat # Excavation # Other:								
Fresh Air #	Confined Space	e #						
Hazardous Materials: Material:	MSDS on	Sito · [Gas Test Required:	Yes No				
			-					
Personal Protective Equipment reviewed —check those that apply: Respirator Hearing Protection Goggles Face shield Chemical Suit Chemical Gloves Tape/Barricade Required								
Safety Equipment identified: Eyewash/Safety Shower, Fire Equipment.						П		
Nearby Jobs That Pose Additional Hazards reviewed.								
-								
Hazardous Non-routine Maintenance: (i.e., in-plant hot work, hot taps, leak seals, live relief, Scott Air). Discuss what could go wrong. Consider alternative solutions. Consider raising the approval level. Confirm					☐ Yes ☐ No			
that it is safe to proceed.] 110	
JOB HAZARD ANALYSIS (JHA)	ALL CD	A ETC.	Complete discussion to	nios halovy Daviovy I	ICV itos	nc obox		
General Questions	Yes No	N/A	General Questions	pies below. Review J	Yes	No	N/A	
Evacuation assembly area known?	Tes No	IVA	Staging required/tagge	d annranriataly?			IVA	
Emergency action plan reviewed?		H	Crane/lifting equipmen		H	H	╁┼	
Fall Protection required	HH	Ħ	Proper lighting/night v		╁∺	H	H	
MSDS's Reviewed with crew/on-site?		Ħ	Housekeeping?	VOIK:	╁╫╴	H	╁┼	
Barricade tape/fence/shield?			Gas Testing Required)	Ħ	H	H	
Emergency Notification Method:						nals		
SAFETY REMINDERS – Review these items before starting work.								
General Topics	Yes No	N/A	General Topics		Yes	No	N/A	
Safety behaviors discussed			Flying particles/sharp	objects/hot surfaces				
Basic PPE: Head/Eye/FR			Cathodic Protection Sy	stems – See RI-				
clothing/gloves/footwear		12	9900 –Appendix K	M-7/				
Proper tools and equip./use/condition	<u> </u>	 - - - - - - - - -	Inert atmospheres/surr		ᄔᆜ	닏		
Flammables properly stored	<u> </u>	 - - - - - - - - -	Permissible Exposure		 	 -	 -	
Slipping/tripping hazards	+++	H	Bonding/ Grounding/	Static	 	H	 	
Pinch points/line of fire COMMENTS from above JJSV and JHA re	viewe:		HSE needed			Ш		
COMMENTS HOM ABOVE JISV AND JHA IE	VICWS.							

*REVISED: 12/10 (Replaces 2/10) Certified as current and accurate: 12/10

9900-B-1

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MACHINIST SPECIFIC ISSUES Circuit breakers/valves verified chained and locked?	Yes	No 🗆	N/A
Bleeder valves open and cleared (verified)?	믐	<u> </u>	+ $+$
Steam turbine OST valve tripped, if applicable?	片		+ $+$
Comp. worm gear disengaged before start-up and cylinder bleeders closed?	片	<u> </u>	+ $+$
CRANE & RIGGING SPECIFIC ISSUES TO REVIEW	Yes	No	N/A
Critical lift plan			
Crew knows hand signals?		౼	\vdash \vdash
Weight of piece confirmed?	ᆸ	౼	\vdash \vdash
Radius confirmed?			
Overhead obstructions?			
Ground level obstructions?			
Ground in stable condition?	T I		
Tail swing clearance?	T T	T T	
Crane barricade?			
Lift area barricaded?		Ī	
Has rigging been inspected?			
Is man basket to be used?			
ELECTRICAL SPECIFIC ISSUES	Yes	No	N/A
Is the isolation point for the job properly disconnected, locked, and tagged?			
Are foreign voltage sources identified and disconnected if necessary?			
If a switch card is involved, is the crew familiar with R-4050 and RI-389?			
Has the isolation points on the switch card been reviewed with the crew prior to work?			
Is grounding required?			
Limited approach boundary established (10 feet)?			
INSTRUMENT SPECIFIC ISSUES	Yes	No	N/A
Has temperature and pressure sources been identified and bled off?	П		
Is the equipment isolated, control loops in manual and properly locked and tagged?			
Are all process materials contained in process lines (i.e., air supplies, impulse tubing,			
sample lines, etc.) drained, neutralized, capped off, and tagged?			
GMG - SPECIFIC ISSUES	Yes	No	N/A
Are uneven surfaces identified and mitigated?			
Are vehicle entry permits required?			
Are there conflicting jobs in the area? Yes No If yes, are they identified?			
Is barricade tape / tags required for overhead work?			
Is fall protection required? If so, are workers using proper fall protection for the job?			
Are scaffolding planks being used to stand on while erecting staging?			
Critical Process Equipment and Alarm Transmitters identified? If tools or equipment drop will it take out a critical piece of equipment? Netting Required?			
OTHER SPECIFIC ISSUES ADDITIONAL SAFETY CONCERNS AND	CORRECTI	VE ACTION	STAKEN
	3 3 2 2 2 2 2 1		
JHA SHIFT RENEWAL: The following must be dated, initialed and checked:			
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Date:	Mechanic Initial:	Same Crew	Same Job 🔛	No Changes ∐	Discussed with Operations _
Date:	Mechanic Initial:	Same Crew	Same Job 🗌	No Changes	Discussed with Operations
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